

ABSTRACT

A method for preparing a medical liquid from a liquid, such as water, and two concentrated solutions comprises the following steps:

- circulating the liquid in a conduit (15), at a flowrate Q_0 ;

- injecting into the conduit (15), at a flowrate Q_1 , a first concentrated solution containing a first ionic substance A and a second ionic substance B, the ionic substances A and B having, respectively, in the first concentrated solution, a concentration $[A_{sol}]$ and a first concentration $[B_{1sol}]$;

- injecting into the conduit (15), at a flowrate Q_2 , a second concentrated solution containing the first ionic substance A and the second ionic substance B, the first ionic substance A having, in the second concentrated solution, the same concentration $[A_{sol}]$ as in the first concentrated solution, and the second ionic substance B having, in the second concentrated solution, a second concentration $[B_{2sol}]$ different than the first concentration $[B_{1sol}]$ in the first concentrated solution;

- regulating the injection flowrate Q_1 and the injection flowrate Q_2 of the first and second concentrated solutions in such a way that at any given time the diluted solution resulting from the mixing of the liquid and the concentrated solutions has a desired concentration $[A_{des}]$ of first substance A and a desired concentration $[B_{des}]$ of second substance B.

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